Probable 1-Aminocyclopropane-1-Carboxylate Deaminase (CNB00190) Recombinant Protein

PRODUCT OVERVIEW

Product Name	Probable 1-aminocyclopropane-1-carboxylate deaminase (CNB00190), Recombinant Protein
Full Product Name	Recombinant Cryptococcus neoformans var. neoformans serotype D Probable 1-aminocyclopropane-1-carboxylate deaminase (CNB00190)
Product Gene Name	CNB00190 recombinant protein
Product Synonym Names	Probable 1-aminocyclopropane-1-carboxylate deaminase; ACC deaminase; ACCD; EC=3.5.99.7
Sequence	MSTPAYLTKL ESIPKEKFLF GPSPISYLPN LTAVLGGKVK LYAKREDCNS GLAYGGNKVR KLEYLVADAK AKGCNTLVSV GGVQSNHTRA VTAVAVASGL KAVTVQEKWV PIDPPLYSET GNILLSRLMG GDVRLNQETF DIRHKKATED AFKDVEAKGG KPYYIPAGAS DHPLGGLGFT NWVVELAKQE KELGVFFDVV IVCSVTGSSH AGTVVGAVAE GRKRKIIGID ASGKPEATRN QVLKIARNTA ALLDERLEIK EEDVILDDRF HAGIYGIPDD ETIAAMKLAA QTDAFITDPV YEGKSMAGMI RLVKEGAIKE GSNVLYIHLG GQPALNAYSS YFPHA
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	37,050 Da
Sequence Positions	1-345aa; full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q5KMX3
Species	Cryptococcus neoformans var. neoformans serotype D (strain JEC21 / MYA-565) (Filobasidiella neoformans)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CNB00190 recombinant protein	MBS1389893 is a recombinant protein targeting CNB00190. Also known as Recombinant Cryptococcus neoformans var. neoformans serotype D Probable 1-aminocyclopropane-1-carboxylate deaminase (CNB00190). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of CNB00190 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CNB00190. It may not necessarily be applicable to this product.

NCBI GI #	58262700
NCBI GeneID	3255867

NCBI Accession #	XP_568760.1
UniProt Primary Accession #	Q5KMX3
UniProt Related Accession #	Q5KMX3
GenBank Nucleotide #	XM_568760.1
NCBI Official Full Name	1-aminocyclopropane-1-carboxylate deaminase
NCBI Official Symbol	CNB00190
UniProt Protein Name	Probable 1-aminocyclopropane-1-carboxylate deaminase
Protein Family	Probable 1-aminocyclopropane-1-carboxylate deaminase
UniProt Gene Name	CNB00190
UniProt Synonym Gene Names	ACC deaminase; ACCD
UniProt Entry Name	1A1D_CRYNJ
NCBI Protein Information	1-aminocyclopropane-1-carboxylate deaminase
UniProt Comments for CNB00190	Catalyzes a cyclopropane ring-opening reaction, the irreversible conversion of 1-aminocyclopropane-1-carboxylate (ACC) to ammonia and alpha-ketobutyrate.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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